

IDIBAPS, Institut D'Investigacions Biomèdiques August Pi i Sunyer

IDIBAPS is a public research centre dedicated to translational research in the field of biomedicine. Its **mission** is to integrate state of the art basic research and quality clinical research trying to solve the main health problems of the society.

IDIBAPS, as a **consortium**, is formed by the Government of Catalonia, the University of Barcelona's Faculty of Medicine (UB), the Hospital Clínic de Barcelona and the Institut d'Investigacions Biomèdiques de Barcelona of the Spanish Council for Scientific Research (IIBB-CSIC).

The activities of the institute are divided into 5 **research areas**: Biological aggression and response mechanisms; Respiratory, cardiovascular and renal pathobiology and bioengineering; Liver, digestive system and metabolism; Clinical and experimental neurosciences; and, Oncology and haematology. There are also some transversal research groups focused on clinical pharmacology, primary care and research in nursing.

The IDIBAPS **scientific community** gathers more than 1.000 members including 475 Principle Investigators. The researchers of the institute have available **first-class laboratory spaces and infrastructures**. As a particular example, the 6 IDIBAPS own core facilities are: Biobank; Bioinformatics; Medical statistics; Cytometry and cell sorting; Functional genomics; and, Magnetic resonance imaging.

The researchers of IDIBAPS receive **institutional support** for the management of the research and innovation. Most of this support is offered by the departments belonging to the Fundació Clínic de la Recerca Biomèdica (FCRB).

The institute is excellent and active in scientific research. Most of the research outputs can be either **published into peer-review international journals or applied to clinical practice**. As a result, IDIBAPS ranks first in scientific productivity and quality among the Spanish Certified Health Research Institutes (recognition issued to research centers linked to hospitals by ISCIII from the Spanish Ministry of Economy and Competitiveness).

IDIBAPS has also outstanding results participating in projects funded by the European Commission:

	Granted projects (coordinator / partner)	Submitted proposals
Horizon 2020 (in progress)	2 / 21	202
7 th Framework Programme	29 / 101	398
6 th Framework Programme	11 / 44	77
5 th Framework Programme	1 / 33	59

The researchers of the Institute are also active and successful participating in other kind of international calls. Additionally, they are engaged with some international consortiums such as the International Cancer Genome Consortium (ICGC) or the European Clinical Research Infrastructures Network (ECRIN).

More information: www.idibaps.org

Visit at IDIBAPS

- **Agenda: November 19th 2015**

- 17:00h Welcome to IDIBAPS
- 17:10h Immersive virtual reality for clinical environments and physical training in aging populations
Dr. Maria Victoria Sánchez-Vives
- 17:25h The European Clinical Research Network (ECRIN)
Dr. Xavier Carné
- 17:40h ICT-supported integrated care for chronic patients
Dr. Josep Roca
- 17:55h Debate
- 18:10h Visit to the Integrated Care Unit at Hospital Clínic of Barcelona
- 18:30h End of the visit

- **Researchers' profiles**

Mavi Sánchez-Vives, msanche3@clinic.ub.es



Medical doctor and PhD in neuroscience, Dr Sanchez-Vives started 15 years ago to use immersive virtual reality in both basic research and applications in the neuroscience and clinical fields. She is leader of "Systems Neuroscience" at IDIBAPS and co-Director of the EVENT Lab (**Experimental Virtual Environments in Neuroscience and Technology Lab**) at the University of Barcelona. She is also one of the founders of Neurotransvirtual Technologies Inc.

Xavier Carné, xcarne@clinic.ub.es



Doctor of Medicine and Surgery from the Autonomous University of Barcelona and a specialist in Clinical Pharmacology. Since 2003 he has worked as Head of Clinical Pharmacology at the Hospital Clínic in Barcelona. He has also been a Senior Lecturer in Pharmacology at the University of Barcelona since 2007.

He advises a number of organizations, and is active in research. He is a member of the Pharmacotherapy Committee for outpatient dispensing of hospital drugs at Catsalut, member of the Bioethics Committee of Catalonia, member of the National Committee on Clinical Pharmacology of the Spanish Ministry of Health, and President of the Capacity Building Working Group at ECRIN.

Josep Roca, jroca@clinic.ub.es



Josep Roca is Professor of Medicine at the University of Barcelona (UB), Senior Researcher at IDIBAPS, Chief of Section at the Hospital Clínic, Coordinator of the Erasmus Mundus BioHealth Computing for the UB, and Associate Professor Innovative Medical Technology University of Southern Denmark.

His two main fields of interest are Chronic diseases: integrated care, systems medicine, information and communication technologies (ICT); and, O2 pathway – cell bioenergetics relationships: biological mechanisms and impact at system level, non-invasive assessment, exercise, rehabilitation and wellness. Josep Roca has been coordinator of several EU projects and is currently member of the ACT consortium – Advancing Coordinated Care and Telehealth (www.act-programme.eu/) and the SELFIE project (H2020 634288).

- **Visit to the Hospital Clínic of Barcelona**

Integrated Care Unit: The Integrated Care Unit at Hospital Clínic was created in 2006 as a transversal Unit under the umbrella of the Medical and Nursing Directions. It has two principal roles: i) to run the Home Hospitalization program; and, ii) to prevent post-discharge incidences and unnecessary hospitalizations. Moreover, the Unit is a relevant component in the deployment of the integrated care program at the healthcare sector Barcelona-Esquerri (540.000 inhabitants).



Deployment of the Integrated Care Model

